

POWER STRUCTURE OF CLASS HIERARCHY FOR EXAMPLE LIBRARY

FIG. 1

```
FLOAT func1(FLOAT);
FLOAT func2(FLOAT); 25
void main{
FLOAT a,b,c;
b=func1(a);
c=func2(b);
return 0;}

Pure FLOAT Model

FIG. 2
```

```
ToInt func1(ToInt);
I64 B func1(I64_B);
FLOAT func2(FLOAT);
void main{
                        ~ 33a
ToInt a,b;
FLOAT C;
b=func1(a);
c=func2(b.data);
return 0;}
ToInt func1(ToInt d)
{I64_B e(d);
 I64_B f;
 f=func1(e);
 return (ToInt) f;}
           Mixed Model
```

```
FLOAT func1(FLOAT);
ToInt func2(ToInt);
I64_B func2(I64_B);
void main{
FLOAT a;
ToInt b,c;
b.data=func1(a);
                       -- 33b
c=func2(b);
return 0;}
ToInt func2(ToInt d)
{I64_B e(d);}
 I64_B f;
 f=func2(e);
 return (ToInt)f;}
      Mixed Model
```

```
I64_B func1(I64_B);
I64_B func2(I64_B); 

void main{
I64_B a,b,c;
b=func1(a);
c=func2(b);
return 0;
```

Pure Fixed Model

FIG. 4

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	36	AG 4		20	AH	4		4	AL	4
	37	AG 5		21	AH	5		5	AL	5
	38	AG 6		22	AH	9		9	AL	9
	39	AG 7		23	AH	7		7	AL	7
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	'			56	AH	10		10	AL	10
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				28	AH	12		12	AL	12
				53	AH	13		13	AL	13
				30	AH	14		14	AL.	14
				31	AH	15		15	F F	15

<u>Н</u> 6.

Layout of TMS320C54x Accumulator A

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	34	BG 2		18	HE	- - -		6	- B
	35	BG 3		19	HE	က		3	명은
	36	BG 4		20	BH	4		4	В 4
	37	BG 5		21	BH	5		5	BL 5
	38	BG 6		22	HH	9		9	BL 6
	33	BG 7		23	HH	7		7	BL 7
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				26	BH	10		10	BL 10
				27	BH	11		11	BL 11
				28	BH	12		12	BL 12
				53	BH	13		13	BL 13
				8	H	14		14	14 14
				31	BH	15		15	BL 15

Layout of TMS320C54x Accumulator B

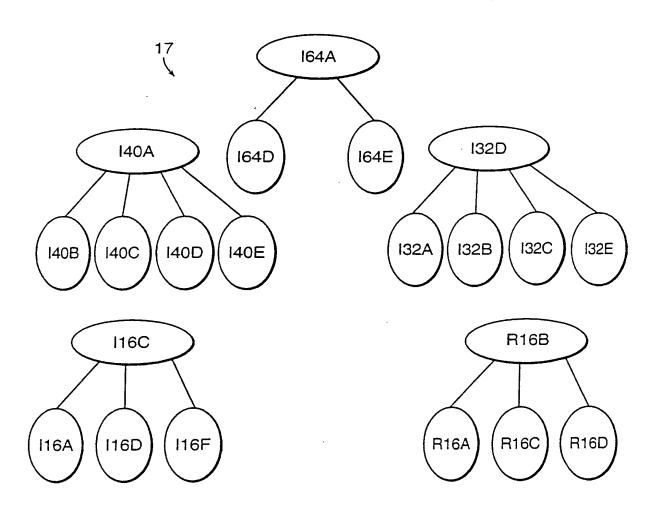
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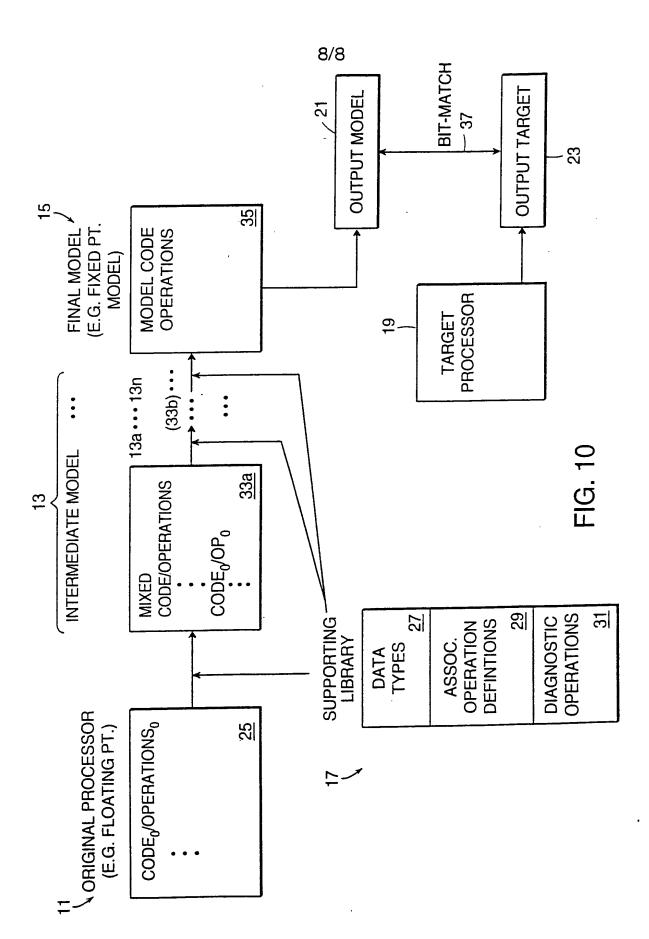
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Layout of 140 class data members



POWER STRUCTURE OF A CLASS HIERARCHY

FIG. 9



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